

CSC 3620 – Project 5

This assignment is about demonstrating all the skills you have learned this semester.

Overview

In this assignment, you will be building out a portfolio/demo site. This site will be built on top of either Vue or React (if you want to do this in hard mode). You can set up for project and bring in any dependencies you need. This is expected to be an SPA so make sure you include appropriate routing and state management as needed.

You will be leveraging Firebase features on this project so you will need a Firebase project set up as well.

Site Design

While you do not need to create full designs using Figma, you are expected to apply the design principles we learned about in the course throughout the creation of this site.

Site Pages

Your site must include a home page, an about page, and a projects page. In addition, you must create two more pages of your own choosing. At least one of the pages should only be accessible to logged in users.

Home Page

On the home page you may essentially put whatever you want, but it should be a solid introductory page for your site.

About Page

The about page should include both information about you and about the site. For the site information you should include an explanation of the design choices you made for the site.

Projects Page

The projects page should include a listing of all the projects you have done for this course. I would include a title, description, and screenshot for each project. You may add additional links as you see fit along with any other information you want to include.

Other Pages

You may create the other pages on whatever you like, but their content needs to be substantial. Adding essentially empty pages with a paragraph of generic text will not be considered acceptable for this part of the assignment.

Components

For this project you must complete a minimum of four components: a Header/Nav component, a Footer component, and two other components of your choice

Header/Nav

For this component you will need to provide links to the various pages on your site. You will also provide support for logged in users. If a user is logged in they should see a welcome email message instead of the login fields.

Footer

The footer should include at a minimum the copyright symbol, the current year, and your name. You may add additional elements as design requires

Other Components

For these components they may not be for explicitly required parts of the directions. You may certainly use components for those, but for this requirement you should develop two distinct components with additional functionality to place somewhere on your site. They must be of significant scope and not simple components with text in them for example.

User Authentication

You will connect your site to Firebase Auth so that a user can log in via email and password. Controls for the login should be in the header/nav component. Provide both log in log out functionality. You may provide user credentials for access with your submission.

Firestore

At least some of the content on your site must be driven from Firebase Firestore. This does not include the user authentication feature.

Hosting

Your site must be built for production and deployed on Firebase Hosting.

Submission

For this assignment submit both a copy of your code (without the node modules please) and a link to your hosted site.

Grading

To Earn a C

- Base site completed with minimum required pages and components completed
- Routing working and functioning as intended

To Earn a B

- Site meets accepted design principles
- Custom pages and components completed successfully
- Site must be hosted on Firebase Hosting

To Earn an A

- Firebase authentication implemented correctly
- Firebase firestore data being used on site correctly